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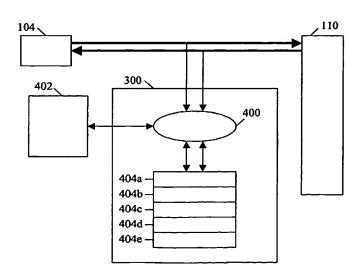
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(54) Title: INTEGRATED CIRCUIT COMPRISING A MEASUREMENT UNIT FOR MEASURING UTILIZATION



(57) Abstract: The invention provides an integrated circuit comprising a data processing system which performs satisfactorily after integration of the individual building blocks, such as main processors and coprocessors, into the data processing system. This is achieved by measuring the utilization of the communication structure established between the individual building blocks. A measurement unit measures properties of the communication load by observing the communication traffic on connections between processing units and a communication resource, or on connections within the communication resource. The measurement unit performs statistical operations on the observed properties and produces measurement results. The measurement results can be retrieved by measurement software and can be used to modify the data processing system, for example by debugging or by adaptive control.



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